

CLAIMS

1. An infant carrier comprising an infant carrier main body to be put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body to hold an infant in a horizontally-carrying state, wherein

the horizontally-carrying seat comprises: a seat main body comprising a head supporting portion; and a hanging board arranged so as to cross the head supporting portion along a width direction and on which a rigidity is exerted by a core material consisting of a hard material, and through the hanging board, both sides of the width direction of the head supporting portion is hung from the infant carrier main body.

2. The infant carrier according to claim 1, wherein a back board consisting of a hard material is provided in an inside of the seat main body, and the hanging board is arranged so as to be overlapped in a bottom of the back board.

3. The infant carrier according to claims 1 or 2, wherein the hanging board is detachable to the seat main body.

4. The infant carrier according to claims 1 or 2, wherein a hanging belt for hanging the hanging board to the infant carrier main body is provided at an end of the hanging board, a belt side fastening and a hook capable of engaging with the belt side fastening are provided on the hanging belt, a body side fastening through which the hanging belt can be passed is provided on the infant carrier main body, a board side fastening through which the hanging belt can be passed is provided on the other end of the hanging belt,

and by engaging the hook through which the body side fastening and the board side fastening are passed successively with the belt side fastening, both ends of the hanging belt is hung and supported from the body side fastening.

5. The infant carrier according to claim 4, wherein an attaching direction of the hanging board to the seat main body is changeable relative to a width direction of the seat main body.

6. The infant carrier according to claim 4, wherein an excess length portion of the hanging belt is drawn from the hook so as to be folded back, in the state in which the hook passes through the board side fastening, the excess length portion hangs on the board side fastening, and the hook becomes incapable of passing through the board side fastening.

7. The infant carrier according to claim 4, wherein the board side fastening is ring-like and bent to project to an outside of the width direction of the seat main body seeing from the side.

8. The infant carrier according to claim 4, wherein a stopper to restrain the slipping of the hanging belt from the body side fastening is provided on the hanging belt.

9. An infant carrier in which a vertically-carrying seat constructed as a separated part from an infant carrier main body is mounted on the infant carrier main body which a user put on a chest or a back being touched, the infant is supported in a vertically-carrying state or a horizontally-carrying state by a

vertically-carrying seat, and the vertically-carrying seat is supported by the infant carrier main body, wherein a back board formed by a hard material is provided on the infant carrier main body.

10. The infant carrier according to claim 9, wherein a shoulder belt mounted around a shoulder of a user is attached to an upper end portion of the infant carrier main body, a waist touching portion put on around a waist of the user is provided on a lower end portion of the infant carrier main body, and the back board is extended along an top-and-bottom direction from an attached position of the shoulder belt to a waist touching portion.

11. The infant carrier according to claim 10, wherein on the lower part of the back board, a folding portion which is foldable upwardly is provided.

12. The infant carrier according to claim 11, wherein a folding axis of the folding portion is located upper than the upper end of the waist touching portion.

13. The infant carrier according to any one of claims 9 to 12, wherein an underarm belt to be joined to the infant carrier main body through the under arm of the infant is provided on the vertically-carrying seat.

14. The infant carrier according to claim 13, wherein a rigidity of the vertically-carrying seat is set lower than the back board.

15. An infant carrier in which a vertically-carrying seat constructed as a part separated from an infant carrier main body is mounted on the infant carrier main body which a user put on and a bag-like portion for accommodating an infant vertically is formed between the infant carrier main body and the vertically-carrying seat, wherein

a sheet fastening portion for fastening the vertically-carrying seat is provided on the infant carrier main body, a bottom supporting portion folded back to the seat fastening portion of the infant carrier main body so as to form a bottom portion of the bag-like portion of the infant carrier main body is provided on a lower portion of the vertically-carrying seat, and a joining tool capable of joining to the sheet-fastening portion is provided on a distal end of the bottom supporting portion so that the position is adjustable along the top-and-bottom direction of the vertically-carrying seat.

16. The infant carrier according to claim 15, wherein either one of male and female buckles capable of being engaged with each other is provided on the sheet fastening portion, the other buckle is attached to the bottom supporting portion of the vertically-carrying seat through an adjust belt extended along an top-and-bottom direction as a joining portion, and an attaching position to the adjust belt of the other buckle is adjustable.

17. The infant carrier according to claim 16, wherein a plural pairs of the buckles is provided on each of the sheet fastening portion and the bottom supporting portion.

18. The infant carrier according to any one of claims 15 to 17, wherein a swing-preventing band to sandwich the bottom supporting portion therebetween is provided on a position lower than the sheet-fastening portion of the infant carrier main body.

19. An infant carrier in which a vertically-carrying seat constructed as a part separated from an infant carrier main body is mounted on the infant carrier main body which user put on, and a bag-like portion for accommodating an infant vertically is formed between these infant carrier main body and the vertically-carrying seat, wherein

a plurality of sheet fastening portions for fastening the vertically-carrying seat is provided on the infant carrier main body with each positions thereof shifted along the top-and-bottom direction, a bottom supporting portion folded back to the seat fastening portion of the infant carrier main body so as to form a bottom portion of the bag-like portion is provided on a lower portion of the vertically-carrying seat, and a joining tool capable of selectively joining to either one of the sheet-fastening portions is provided at the distal end of the bottom supporting portion.

20. An infant carrier in which a vertically-carrying seat constructed as a separated part from an infant carrier main body is mounted on the infant carrier main body which a user put on either of a chest or a back selectively, an infant is supported in a vertically-carrying state or a back-carrying state depending on the direction of the vertically-carrying seat, and a vertically-carrying seat is supported by the infant carrier main

body, wherein

the infant carrier main body comprises a base portion made to be touched to a chest or a back of the user, a shoulder belt extended from a base portion and mounted around a shoulder of the user, and the waist touching portion mounted around a waist of the user, and the waist touching portion is made to be displaced relative to the base portion along a top-and-bottom direction.

21. The infant carrier according to claim 20, wherein means for holding the waist touching portion at either of a plurality of pre-decided positions relative to the base portion is provided on the base portion.

22. The infant carrier according to claims 20 to 21, wherein a pocket capable of receiving a lower end portion of the base portion is provided on the waist touching portion, a folding portion which can be folded within the pocket is provided on a lower end of the base portion, and a lower end of the folding portion is joined to the waist touching portion.

23. An infant carrier comprising an infant carrier main body which is put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body for holding an infant in a horizontally-carrying state, wherein a pair of right-and-left fastenings for hanging the horizontally-carrying seat is provided on the infant carrier main body, and a head side hang tool for hanging the head side of the horizontally-carrying seat from the fastenings of either one of the pair of fastenings and a buttocks side hang tool for hanging the buttocks side of the horizontally-carrying

seat from the other fastening are provided on the horizontally-carrying seat, and lengths of each hang tools are set so that the head side of the horizontally-carrying seat can be held in a position higher than the buttocks side when the head side hang tool and the buttocks side hang tool are mounted on one side fastening and the other fastening.

24. An infant carrier comprising an infant carrier main body to be put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body for holding an infant in a horizontally-carrying state, wherein

a head side hang tool and a buttocks side hang tool for hanging a head side and a buttocks side of the horizontally-carrying seat from the infant carrier main body are provided on the horizontally-carrying seat,

the head side hang tool is provided so as to support the head side of the horizontally-carrying seat on both sides of the width direction of the horizontally-carrying seat, and

the buttocks hang tool is provided so as to support the buttocks side of the horizontally-carrying seat at three points of both sides of the width direction of the horizontally-carrying seat and a middle of a width direction of a back end of the horizontally-carrying seat.

25. The infant carrier according to claim 24, wherein the buttocks side hang tool has an abdomen belt extended from both sides of a width direction of the horizontally-carrying seat, a buttocks belt extended from a center of a width direction of the horizontally-carrying seat back end, and an abdomen pad arranged

at the back end portion of the horizontally-carrying seat and covers the abdomen of the infant, and by the abdomen belt and the buttocks belt being connected each other through the abdomen pad, the abdomen belt and the buttocks belt are made to be capable of being hung and supported integrally from the infant carrier main body.

26. The infant carrier according to claim 25, wherein on a back end portion of the horizontally-carrying seat, a buttocks supporting portion for supporting a buttocks of the infant and a leg supporting portion which is foldable to the buttocks supporting portion and for supporting the legs of the infant are provided, an abdomen belt is extended from the both sides of the width direction of the buttocks supporting portion, while a buttocks belt is extended from a center of a width direction of the back end of the legs.

27. The infant carrier according to claims 25 or 26, wherein a back board as a core material to support the infant is embedded in the horizontally-carrying seat, and the back board is made to bend by a load occurred when the infant is supported with a central line of a width direction being bottom.

28. An infant carrier comprising an infant carrier main body to be put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body for holding an infant in a horizontally-carrying state, wherein

a mat for laying an infant and a head guard arranged to surround around a head of an infant is provided on the horizontally-carrying seat, a core material is provided on the mat

and the head guards respectively, and a vent is provided on the core material respectively.

29. An infant carrier comprising an infant carrier main body to be put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body for holding an infant in a horizontally-carrying state, wherein a back board as a core material supporting from the head to the buttocks of the infant and a seating board as a core material for supporting legs of the infant are embedded in the horizontally-carrying seat, and the seat is enlarged in width direction wider than a buttocks edge portion of the back board.

30. An infant carrier comprising an infant carrier main body to be put on by a user and a vertically-carrying seat for forming a back-like portion to accommodate an infant vertically between the infant carrier main body by being combined with the infant carrier main body, wherein

a ring-like fastening to fasten the vertically-carrying seat is provided on the infant carrier main body, a seat main body for moving the infant toward the infant carrier main body, and a joining belt extending from the seat main body for joining the vertically-carrying seat to the fastening are provided on the vertically-carrying seat, either one a pair of the male and female buckles capable of being engaged each other is provided on the joining belt and the other buckle is provided on the seat main body respectively, the one of the buckles is capable of passing through the fastening, an excess length portion of the joining belt is drawn from the one of the buckles so as to be folded back, and in the

state that the one of the buckles is passed through the fastening, the excess length portion hangs in the fastening, and the one of the buckles becomes incapable of passing through the fastening.

31. An infant carrier comprising an infant carrier main body to be put on by a user and a vertically-carrying seat for forming a back-like portion to accommodate an infant vertically between the infant carrier main body by being combined with the infant carrier main body, wherein

a head support for covering the head of an infant, a support belt extending from both sides of the head support and for joining to the infant carrier main body are provided on the vertically-carrying seat, the head support is foldable toward the outside of the vertically-carrying seat, the support belt can be joined to the infant carrier main body so that the twist of the support belt is dissolved when the head support is folded back in the half-turned state.

32. An infant carrier comprising an infant carrier main body to be put on by a user and a vertically-carrying seat for forming a back-like portion to accommodate an infant vertically between the infant carrier main body by being combined with the infant carrier main body, wherein a ring-like fastening to fasten the vertically-carrying seat is provided on the infant carrier main body, and the fastening bends so as to project to the infant carrier main body side seeing from the side.

33. An infant carrier comprising an infant carrier main body to be put on by a user and a vertically-carrying seat for forming a

back-like portion to accommodate an infant vertically between the infant carrier main body by being combined with the infant carrier main body, wherein

an inner packing material having a vent hole is embedded in the vertically-carrying seat, the inner packing material is covered with a three-dimensional mesh fabric.

34. An infant carrier comprising an infant carrier main body to be put on by a user and a vertically-carrying seat for forming a back-like portion to accommodate an infant vertically between the infant carrier main body by being combined with the infant carrier main body, and an infant can be put in the back-like portion directing either of a forward-looking or a backward-looking direction, and a width of the lower of the vertically-carrying seat is adjustable.

35. An infant carrier comprising an infant carrier main body to be put on by a user and a vertically-carrying seat for forming a back-like portion to accommodate an infant vertically between the infant carrier main body by being combined with the infant carrier main body, wherein

a shoulder belt mounted around a shoulder of the user is provided on the infant carrier main body with length adjustable, a shoulder belt band for folding and holding an excess length portion of the shoulder belt which length thereof has been adjusted is provided.

36. A joining structure of a belt-shaped article, in which either one of a pair of male and female buckles capable of engaging each

other is attached to the belt-shaped article, the other buckle is attached to the fixed portion to be joined to the belt-shaped article, and the belt-shaped article and the fixed portion are made to be detachable, wherein

the buckle attaching to the fixed portion is fixed to the fixed portion at the back and forth of the buckle relative to an attaching or a detaching direction of the belt-shaped article.

37. The joining structure of a belt-shaped article according to claim 36, wherein belt through portions are provided on each of front or back ends of the buckle attached to the fixed portion, and a buckle fixing belt is made to be passed through between these belt through portions, and the both end portions of the buckle fixing belt is fixed to the fixed portion.

38. An infant carrier comprising an infant carrier main body provided with a shoulder belt to be put on around a shoulder of an user and a waist touching portion to be put on around a waist of the user, either one of a pair of mutually engagable male and female buckles is attached to the shoulder belt and the other buckle is attached to the waist touching portion, and the shoulder belt and the waist touching portion are made to be detachable, wherein

a buckle attached to the waist touching portion is fixed to the waist touching portion at back and forth of the buckle along the attaching or detaching direction of the shoulder belt.

39. The infant carrier according to claim 38, wherein belt through portions are provided on each of front and back ends buckles fixed to the waist touching portion, and a buckle fixing belt is made

to be passed through between these belt through portions, and both end portions of the buckle fixing belt are fixed to the fixed portion.

40. A fixing side buckle attached to a fixed portion to which a belt-shaped article is to be joined and a buckle fixed to the belt-shaped article is attached and detached, wherein a belt through portion is provided at front and back ends relative to an attaching or detaching direction of the belt-shaped article, a buckle fixing belt for fixing the fixed side buckle to a fixed portion is made to be capable of inserting between the belt through portions.

41. An infant carrier comprising an infant carrier main body to be put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body for holding an infant in a horizontally-carrying state, wherein

on the infant carrier main body, as fastenings for attaching the horizontally-carrying seat, an upper part fastening for hanging the horizontally-carrying seat and a lower part fastening disposed under than the upper fastening are provided, and on the horizontally-carrying seat, a hang tool for hanging the horizontally-carrying seat from the upper fastening and a swing-stopping fastening provided on the one side of the width direction of the horizontally-carrying seat and can be joined to the lower part fastening are provided.

42. The infant carrier according to claim 41, wherein a pair of shoulder belts to be put on around a shoulder of a user and a waist

belt to be put on around a waist of the user continuously from an under end of the shoulder belt are provided on the infant carrier main body, the upper fastening is provided on respective middle of the a pair of shoulder belts, the lower part fastening is provided on a bottom end of the shoulder belt or the waist belt.

43. The infant carrier according to claim 42, wherein each of the lower part fastening and the swing-preventing fastening are attached to the infant carrier main body and the horizontally-carrying seat through the fastening fixing belt, and at a position adjacent to each of the lower part fastening and the swing-preventing fastening, the fastening fixing belt is sewn on the infant carrier main body and the horizontally-carrying seat.

44. The infant carrier according to claim 41, wherein on the infant carrier main body, a left and right pair of upper fastenings is provided, and on the horizontally carrying seat, as a hang tool, a head side hang tool for hanging the head side of the horizontally carrying seat from the upper fastening of either one of the pair of upper fastenings, and a buttocks side hang tool for hanging the buttocks side of the horizontally carrying seat from the other upper fastening are provided.

45. The infant carrier according to claim 44, wherein an abdomen pad covering an abdomen of the infant is provided on the buttocks support side of the horizontally-carrying seat, a chest pad covering a chest of the infant is continuously provided on the upper end of the abdomen pad, a chest belt joining the head side hang tool and the chest pad is provided on the horizontally-carrying

seat.

46. The infant carrier according to claim 41, wherein the upper fastening and the lower part fastening are different each other in at least either one of structures relating to size or joining.


47. The infant carrier according to claim 41, wherein an abdomen pad covering the abdomen of the infant is provided on the buttocks side of the horizontally-carrying seat, and a chest pad covering a chest of the infant is provided continuously to the upper end of the abdomen pad.

48. An infant carrier comprising an infant carrier main body to be put on by a user and an attachment to be joined to the infant carrier main body for holding the infant, wherein

on the infant carrier main body, a plurality kinds of fastenings used for mutually different purposes respectively for joining the attachment are provided in different positions, and each of the fastenings of the plurality kinds of fastenings are different each other in at least either one of size or structure relating to joining.

49. An infant carrier comprising an infant carrier main body to be put on by a user and a horizontally-carrying seat to be suspended from the infant carrier main body for holding an infant in a horizontally-carrying state, wherein

an abdomen pad covering an abdomen of an infant is provided on a buttocks side of the horizontally-carrying seat, and a chest pad covering a chest of the infant is provided continuously at an



upper end of the abdomen pad.